

IAC Mission Success Stories

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SURVIAC

Story 1

Story 2

Threat Warheads & Effects/Battle Damage and Repair (TWE/BDAR)

The Threat Warheads & Effects/Battle Damage and Repair (TWE/BDAR) Training project is one of several Live Fire Test and Training Initiatives sponsored and funded by the Office of Live Fire Test & Evaluation (OSD/OT&E/LFT&E). This three-phase project has been started as a new program seeking to refine and further define known areas where the LFT&E data can be used to improve combat operations and warfighting capability.



[Continued on Story 1](#)

Bosnia Support

U.S. Ground forces were deployed to Bosnia as peacekeepers for a region of that country. Ethnic groups within the country had long been in conflict. During this conflict, all sides had employed land mines as a defensive countermobility measure. When the U.S. troops occupied their peacekeeping zone, many of these mines remained. These buried mines are a hidden, lethal threat to U.S. forces as they perform their daily movements within their zone. SURVIAC assisted TACOM to reduce this threat and to save U.S. troop lives.

[Continued on Story 2](#)

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Bosnia Support (continued)

Land mines fall into two categories; anti-personnel and anti-vehicle. Known minefields are cordoned off to prevent soldiers from walking into antipersonnel mines. Main roads will be swept to remove anti-vehicle mines however, changing conditions cause vehicles to travel on new trails or to go around potholes or broken down vehicles. Maneuvering along these new routes with the potential of terrorists to move mines into previously swept areas, puts U.S. troops in vehicles at risk.



Lightweight armor protection is necessary to stop shrapnel and spallation to limit U.S. casualties.

Lightweight armor materials are available such as Kevlar. This material can be shaped to protect the most exposed positions of the vehicle or the locations most likely to result in casualties from a mine detonation. SURVIAC worked with TACOM to design the most practical and protective configuration of armor for the HMMWV and 5-ton trucks. The armor basically covered the floor and lower portion of the vehicle passenger compartments. SURVIAC personnel then deployed to Europe on a quick reaction program to install the armor and to train other Army personnel. The vehicles intended for use with the Bosnia peacekeeping force were protected.

Soldiers inspect the HMMWV after the mine strike.

The Army used these protected vehicles in its operations in Bosnia. During the course of operations one protected HMMWV hit a mine. The protection worked. The lives of three soldiers were assessed as being saved by the protective armor from the lethal mine blast. This is an example of an IAC assisting the government to provide direct support to the warfighter. This points out both the dangers to the warfighter even in the peacekeeper role and how those dangers can be successfully reduced with the assistance of IACs.

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